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1600

**RAW SEQUENCE LISTING**

DATE: 02/14/2003

PATENT APPLICATION: US/09/142,524C

TIME: 07:04:08

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TECH CENTER 1600/2900

Input Set : N:\efs\09142524\SPO-103\_ST25\_2sub.txt  
 Output Set: N:\CRF4\02142003\I142524C.raw

5 <110> APPLICANT: Sone, Toshio  
 7 Kume, Akinori  
 9 Dairiki, Kazuo  
 11 Iwama, Akiko  
 13 Kino, Kohsuke  
 17 <120> TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases  
 21 <130> FILE REFERENCE: SPO-103  
 25 <140> CURRENT APPLICATION NUMBER: US 09/142,524C  
 27 <141> CURRENT FILING DATE: 1998-09-09  
 31 <150> PRIOR APPLICATION NUMBER: PCT/JP97/00740  
 33 <151> PRIOR FILING DATE: 1997-03-10  
 37 <160> NUMBER OF SEQ ID NOS: 174  
 41 <170> SOFTWARE: PatentIn version 3.1  
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 47 <211> LENGTH: 80  
 49 <212> TYPE: PRT  
 51 <213> ORGANISM: Cryptomeria japonica  
 55 <400> SEQUENCE: 1  
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 58 1 5 10 15  
 61 Phe Ile Lys Arg Val Ser Asn Val Ile Ile His Gly Arg Arg Ile Asp  
 62 20 25 30  
 65 Ile Phe Ala Ser Lys Asn Phe His Leu Gln Lys Asn Thr Ile Gly Thr  
 66 35 40 45  
 69 Gly Arg Arg Ile Ser Leu Lys Leu Thr Ser Gly Lys Ile Ala Ser Arg  
 70 50 55 60  
 73 Arg Val Asp Gly Ile Ile Ala Ala Tyr Gln Asn Pro Ala Ser Trp Lys  
 74 65 70 75 80  
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 79 <211> LENGTH: 105  
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 83 <213> ORGANISM: Cryptomeria japonica  
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 90 1 5 10 15  
 93 Phe Ile Lys Arg Val Ser Asn Val Ile Ile His Gly Arg Arg Ile Asp  
 94 20 25 30  
 97 Ile Phe Ala Ser Lys Asn Phe His Leu Gln Lys Asn Thr Ile Gly Thr  
 98 35 40 45  
 101 Gly Arg Arg Trp Lys Asn Asn Arg Ile Trp Leu Gln Phe Ala Lys Leu  
 102 50 55 60  
 105 Thr Gly Phe Thr Leu Met Gly Arg Arg Leu Lys Met Pro Met Tyr Ile  
 106 65 70 75 80

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109 Ala Gly Tyr Lys Thr Phe Asp Gly Arg Arg Val Asp Gly Ile Ile Ala
110           85                      90                      95
113 Ala Tyr Gln Asn Pro Ala Ser Trp Lys
114           100                      105
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123 <213> ORGANISM: Cryptomeria japonica
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130 1           5                      10                      15
133 Phe Ile Lys Arg Val Ser Asn Val Ile Ile His Gly Arg Arg Ile Asp
134           20                      25                      30
137 Ile Phe Ala Ser Lys Asn Phe His Leu Gln Lys Asn Thr Ile Gly Thr
138           35                      40                      45
141 Gly Arg Arg Trp Lys Asn Asn Arg Ile Trp Leu Gln Phe Ala Lys Leu
142           50                      55                      60
145 Thr Gly Phe Thr Leu Met Gly Arg Arg Pro Leu Trp Ile Ile Phe Ser
146 65           70                      75                      80
149 Gly Asn Met Asn Ile Lys Leu Lys Met Pro Met Tyr Ile Ala Gly Tyr
150           85                      90                      95
153 Lys Thr Phe Asp Gly Arg Arg Ala Glu Val Ser Tyr Val His Val Asn
154           100                     105                     110
157 Gly Ala Lys Phe Ile Arg Arg Val Asp Gly Ile Ile Ala Ala Tyr Gln
158           115                     120                     125
161 Asn Pro Ala Ser Trp Lys
162           130
165 <210> SEQ ID NO: 4
167 <211> LENGTH: 31
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171 <213> ORGANISM: Cryptomeria japonica
175 <400> SEQUENCE: 4
177 Ile Phe Ser Lys Asn Leu Asn Ile Lys Leu Asn Met Pro Leu Tyr Ile
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182           20                      25                      30
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187 <211> LENGTH: 31
189 <212> TYPE: PRT
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197 Ser Ser Gly Lys Asn Glu Gly Thr Asn Ile Tyr Asn Asn Asn Glu Ala
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201 Phe Lys Val Glu Arg Arg Phe Ile Lys Arg Val Ser Asn Val Ile
202           20                      25                      30
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207 <211> LENGTH: 12
209 <212> TYPE: PRT
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241 <212> TYPE: PRT
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250 1 5 10 15
253 Lys
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286 1 5 10 15
289 Lys Arg Arg Met Lys Val Thr Val Ala Phe Asn Gln Phe Gly Pro Asn
290 20 25 30
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295 <211> LENGTH: 20
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299 <213> ORGANISM: Cryptomeria japonica
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306 1 5 10 15
309 Ala Gly Asn Lys
310 20
313 <210> SEQ ID NO: 12
315 <211> LENGTH: 20
317 <212> TYPE: PRT
319 <213> ORGANISM: Cryptomeria japonica
323 <400> SEQUENCE: 12
325 Ser Ser Gly Lys Asn Glu Gly Thr Asn Ile Tyr Asn Asn Asn Glu Ala

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329 Phe Lys Val Glu
330                20
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346 1                5                10
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351 <211> LENGTH: 9
353 <212> TYPE: PRT
355 <213> ORGANISM: Cryptomeria japonica
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369 <212> TYPE: PRT
371 <213> ORGANISM: Cryptomeria japonica
375 <220> FEATURE:
377 <221> NAME/KEY: MISC_FEATURE
379 <222> LOCATION: (1)..(15)
381 <223> OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 1
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387 Asp Asn Pro Ile Asp Ser Cys Trp Arg Gly Asp Ser Asn Trp Ala
388 1                5                10                15
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405 <222> LOCATION: (1)..(15)
407 <223> OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 2
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421 <212> TYPE: PRT
423 <213> ORGANISM: Cryptomeria japonica
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429 <221> NAME/KEY: MISC_FEATURE
431 <222> LOCATION: (1)..(15)
433 <223> OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 3
437 <400> SEQUENCE: 17
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457 <222> LOCATION: (1)..(15)
459 <223> OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 4
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465 Gln Asn Arg Met Lys Leu Ala Asp Cys Ala Val Gly Phe Gly Ser
466 1          5          10          15
469 <210> SEQ ID NO: 19
471 <211> LENGTH: 15
473 <212> TYPE: PRT
475 <213> ORGANISM: Cryptomeria japonica
479 <220> FEATURE:
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483 <222> LOCATION: (1)..(15)
485 <223> OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 5
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501 <213> ORGANISM: Cryptomeria japonica
505 <220> FEATURE:
507 <221> NAME/KEY: MISC_FEATURE
509 <222> LOCATION: (1)..(15)
511 <223> OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 6
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535 <222> LOCATION: (1)..(15)
537 <223> OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 7
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547 <210> SEQ ID NO: 22
549 <211> LENGTH: 15
551 <212> TYPE: PRT
553 <213> ORGANISM: Cryptomeria japonica

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**VERIFICATION SUMMARY**

DATE: 02/14/2003

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Input Set : N:\efs\09142524\SPO-103\_ST25\_2sub.txt

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